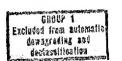
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NPIC/TSSG/PPS-033-70 8 April 1970

	·
MEMORANDUM FOR:	Chief, Technical Services & Support Group, NPIC
SUBJECT:	Projects & Programs Staff Monthly Report - March 1970
functions for I sentation to the	March, the Projects & Programs Staff conducted staff SSG (including, (1) administrative, (2) daily represe Production Management Board, (3) frequent working ontacts with PPBS on budget matters, and (4) with PSG atters) and also carried out the following additional
for March; Geological	repared for, conducted and reported on the meeting conducted all aspects of the visit to U.S. Survey at Reston. Began preparations for visit Westover AFB in April.
2. S TSSG.	studied and reported on the FY-71 T/O requirements for
3. 0	Continued efforts on the survey to place an LDX facility
4. I to SSD for	Provided assistance to the Executive Officer, TSSG and input to the future Center facilities requirements.
5. (forwarded Center's I	Concluded Panel B recommendations for GS-11's and Composite Evaluation Sheet with back-up data to the Panel.
. B. During pated.	g April, the following significant actions are antici-
l. I final pre	Prepare for and conduct meeting for April. Make parations for trip to SPPF, Westover AFB.
2. 1	Panel B recommendations for GS-10's will be completed.
3. exercise	Complete the Third Quarter Fiscal Year 1970 Budget for TSSG.

DECLASS REVIEW by NIMA/DOD



25X1

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SUBJECT: Projects & Programs Staff Monthly Report - March 1970

- 4. Commence the Operating Budget Call exercise for Fiscal Year 1971.
 - 5. Complete two special staff studies for Chief, TSSG.

Chief, Projects & Programs Staff, TSSG, NPIC

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SEGUET

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9 April 1970

MEMORANDUM FOR: Chief, Technical Services and Support Group

SUBJECT

Support Services Division Monthly Report -

March 1970

LOGISTICS -

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	- Land Control of the
	A review in depth of the Logistics Branch by a representative of the Center and the Office of Logistics was begun on Monday 30 March. This review which will encompass all aspects of the Branch functions including procedures is to study the adequacy of the personnel staffing pattern in conjunction with the Center's five year plan. On their initial visit there were briefings by Executive Director, Executive Officer, TSSG, and by Chief, Logistics Branch. The second day, they interviewed Chief, Building Supply Section and reviewed all activities under
_	his responsibility as well as those responsibilities under
L	TRAINING -
	1. During the week 2 to 6 March, eighteen NPIC personnel attended a full time radar imagery training course conducted by in Alexandria, Virginia. The course is the beginning of the Advanced Strategic Radar (SLAR) Training Program contracted by NPIC with
	2. The contract with was granted approval by the Director of NPTC to continue the Infrared Training program through FY '70 and FY '71. The objective has been to institute an advanced infrared interpreter training program for a select cadre of 15 NPTC interpreters, wherein emphasis was

placed upon student understanding of state-of-art technology and

products (e.g. imagery and analog data).

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	SUBJECT: Support Services Division Monthly Report - March 1970		
	SECURITY -	Ð	
25X1	1. Security invited D.C. Fire Department, to visit and conduct fire inspection of the Building. He also reviewed and approved the fire emergency instructions.		
25X1 25X1 25X1	2. Chief, Security Branch met with Headquarters Security representatives who made a physical security survey of emphasizing protection against bombing. NPTC Security also reviewed bomb threat procedures and Chief, NPTC Security Branch gave a briefing at an area security officers meeting concerning this subject. A new guard post was established at the pedestrian gate in accordance with recommendations made by the Headquarters Security survey team.		25X1
•	3. There were no reports of personnel harrassment or vehicle incidents reported during the month of March 1970.		25X1
	Chief, Support Services Division TSSG		,

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TSSG/ESD-18/70 3 April 1970

MEMORANDUM FOR: Chief, Technical Services & Support Group, NPIC : Chief, Projects & Programs Staff, TSSG THROUGH Executive Officer, TSSG : ESD Activity Report -- March 1970 SUBJECT 1. Noteworthy Events -- March 1970 Project Activity: (1) Preventive and Emergency Maintenance - The Equipment Performance Branch (EPB) received 77 requests for emergency maintenance and serviced 170 instruments under the preventive maintenance program. (2) Equipment Design, Modification and Fabrication - The EPB completed fourteen tasks in support of Center components. (3) Acceptance Tests - Four production models from the [contract for Dual Viewing Microstereoscopes were tested. One was found unacceptable due to color in the optics of one viewing side. The Contracting Officer is taking action to have this problem corrected. (4) "Green" Light Tables - Two MIM-47 Light Tables have developed a green discoloration in the cooling oil. Several additional tables appear to have the same problem to a lesser degree. Tests are being conducted by TEB/ESD and ATB/RED to determine the cause of the discoloration. Light Table Oil Leaks - As of 31 March 1970, ninety-two MIM-47 and nineteen MIM-45 Light Tables have been modified to correct the oil leakage problem.

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- (6) <u>Digitized Measuring Light Table</u> Test and evaluation of this Table, now functioning properly, continued.
- (7) Twin Stage Comparator The Interim Test Report for this On-Line P.I. Comparator was issued. The Comparator is in TEB awaiting the manufacturer's proposal for modification.

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(8) FMA 1540 Light Table - Acceptance testing was completed in TEB and operational evaluations started in TEG. The TEB test report is in preparation.	
(9) 1540 Light Table - Acceptance testing was completed report is in preparation.	
(10) Advanced Steres-Rhomboid Mod. II - Acceptance testing was completed in TEB and the Rhomboid was delivered to IEG for operational evaluation. The test report is in preparation.	1.4
(11) Optical Testing Study - Development Objectives were prepared for a Study to provide information on methods and equipment to be used in the evaluation of optical systems.	
b. Personnel Activity:	
tour on 20 March. student co-op, TEB, completed his current	
on 30 Marcn. student co-op, TEB, started his second tour	
tour on 30 March. student co-op, EPB, started his initial	
(4) TEB, completed the Offutt P.I. Course 2-6 March. 2. Anticipated Events April 1970	
a. Project Activity:	•
and Distribution of Memorandum Test Reports for both the 1540 Light Tables.	25X1
(2) Distribution of Memorandum Test Report for the Mod. II	
(3) Initiation of test and evaluation of the Wide Field Filar	
b. Personnel Activity None.	25X1
Engineering Support Division, TSSG	

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ATTACHMENT	to:	

25X1

MEMORANDUM FOR: Chief, Projects & Programs Staff, TSSG/NPIC

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ATTENTION:

SUBJECT:

APSD Activity Report for March 1970

1. The following items of significant interest occurred in APSD during March 1970:

a. Exploitation Support

(1) Photo-interpretation

- passes using a new high contrast film (SO-369) were made for the interpreters, who reported improved interpretability. A briefing was presented to the IEG on the enhancement potentials of SO-369 and 6451 films. An outline of a study designed to determine a technique to automatically dictate the use of these films was presented to the NPIC PMB.
- (b) Tests are being conducted to determine if special reproductions of the red and green layers of SO-242 color film will improve interpretability.
- (c) The "revised" NPIC Photographic Reproduction Specifications were disseminated -
- (d) TORID, a histogram model to provide density distributions from various films, has been documented.
- (e) A briefing was presented to IEG on the functions of APSD.

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support in satisfying committee requirements.

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	ATTACHMENT to:	25X1
	SUBJECT: APSD Activity Report for March 1970	
25X1	c. Distribution of the NPIC technical evaluation report on color prepared by APSD - and supplement).	25X1
	d. Attendance at the following meetings:	
	(1) PET meeting at NPIC on	25X1
	(2) SENIOR PEG meeting at NPIC.	
25X1	(3) Tour of facility at P&E.	
•		057/4
		25X1
	Chief, Applied Photo Science division,	
	maga/mpra	

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NPIC/TSSG/RED-107-70 3 April 1970

	MEMORANI	DUM FOR: Chief, Technical Services & Support Group, NPIC	
25X1	ATTENTIO	ON : TSSG/PPS	
	SUBJECT	: RED Monthly Report on Significant Events (March 1970)	
	A. Sign	nificant Items of Interest for March 1970.	
25X1	1.	presentation. presented a talk, film and demonstration of DYLUX material to NPIC personnel. Two of their latest materials, as well as some	25X1
25X1		full color possibilities, were presented. The loan of a DYLUX processor from is being arranged so that NPIC PI's can	
25X1		give an Operational Evaluation of the various materials marketed by	
	2.	Calibration Device. The Calibration Device for the High Precision Stereocomparator has been presented to NPIC personnel. was briefed on 26 March. The Staff Study has been forwarded.	25X1
	3.	Computer Core Memory. The Staff Study for the Additional Computer Core Memory for the High Precision Stereocomparator has also been forwarded to the DDI for approval.	
25X1	14.	High Precision Stereocomparator Program. Project Manager is at and expects to start the acceptance tests on the	25X1
	•	optics on 31 March 1970. If all goes well, the tests will be completed by 17 April, and the optical system shipped to on 28 April 1970.	25X1
	5.	Basic Research in Precise Measurement. Proposals have been evaluated; the briefings and paper work are being prepared.	
	6.	PI Scan & Scarch Station, Phase II. Proposals and cost break- downs to fabricate the PI Scan & Search Station have been received. The proposal information has been presented to the coordinating committee.	
	7.	Step & Repeat Contract Printer. A proposal has been received for the preliminary design of the Step and Repeat Contract Printer. This is currently being coordinated with PSG.	

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Approved For Release 2003/08/04 GARDP78B05174A000800030020-7

SUBJECT: RED Monthly Report on Significant Events (March 1970)

25X1	8. 1540 Light Table. The prototype models of the 1540 Light Tables have been delivered by and The tables are being evaluated in TSSG/ESD. Technical specifications are being pared for the follow-on production models.	25X′
•	9. Advanced Stereo Rhomboids II. The Advanced Stereo Rhomboids III have been delivered by This item is being tested and evaluated in TSSG/ESD. Technical specifications have been prepared and turned over to TSSG/SC&PS for the production models.	25X′
	10. 940 Light Table. A Project Approval Request for a vibration analysis of the 940 Light Tables has been prepared and forwarded to Chief, TSSG.	
	ll. Low Power Objectives. A proposal to determine the feasibility of providing low power objectives for the Advanced Stereo Rhomboids II has been evaluated. The approval memo has been forwarded to Chief, TSSG.	
	12. Retrofit Film Transport Kit. On March 26, the Retrofit Film Transport Kit was accepted at kit (mounted on a GFE MIM #4 Light Table) will be delivered to NPIC in early April.	25X′
	13. Wide Field Filar Eyepiece. The Wide Field Filar Eyepiece for the High Power Stereoviewer was completed by and was delivered to NPIC on 30 March 1970.	25X ²
	14. Improved Lamp Performance Study. The contract for the Improved Lamp Performance Study with signed on 6 March 1970.	25X′
	15. Eyepiece for Zoom 240. A proposal for a Wide Field Filar Eyepiece Set for the Zoom 240 was received from and and	25X′
25X1	16. 10" x 10" Stage Stereocomparator. A revised proposal for a and evaluated.	25X′
25X1	Measurements of Threshold Targets. On March 20, discussions were held with of nd representatives from regarding the study sponsored by on Measurements of Threshold Targets. The study will be beneficial to NPIC; NPIC will give limited support to the task.	25X′ 25X′

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SUBJECT: RED Monthly Report on Significant Events (March 1970)

25X1	[Tmage Quality. On 12 March a conference was held between Drs. and ATB personnel. regarding Image Quality Tasks on which the may be able to assist NPIC. is coordinating efforts in this area.	25X 25X
	19.	OMS Assistance. On the 16th of March, and regarding OMS assistance to ATB in several areas.	25X 25X 25X
		Digital Tmage Manipulation System. On 24 March, decided from several alternatives to install the Digital Tmage Manipulation (DIM) Input/Output System in Room 4N807. The system will be located with a 11 X 11 foot portable laminar flow clean room. The completion date is presently set at 30 May to accommodate the receipt of the equipment from	25X ²
25X1	21.	940 Light Table. have been performing spectrographic and chromatographic analyses	25X
25X1		results indicate the oil may be changing color due to UV and thermal breakdown problems. Continuing tests in conjunction with ESD are aimed at isolating the effects causing such color changes.	
25X1	22.	UV Emission. ATB has received the final results of a test performed by the National Bureau of Standards on UV emission from a 940 Light Table. These indicate no significant emissions below 3650 Å and approximately 1 micro-watt 1 cm ² at that value. Further data can be obtained from ATB memo 072/70 dated 26 March.	
	23.	Contact Lens Acceptance Survey. has analyzed the results of a Contact Lens Acceptance Survey conducted in IEG thru ATB at the request of Results are tabulated in ATB-064/70 of 26 March.	25X
25X1	214.	DDS&T Support. is continuing on a full-time one-month project special support to DDS&T in the area of Image Manipulation.	
25X1	25.	Chief of the Technical Analysis	25X
2J/\ I		Division, National Bureau of Standards. division contains several elements of interest to ATB, including a	25X
		Behavioral Sciences Group headed by	25X

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SUBJECT: RED Monthly Report on Significant Events (March 1970)

25X1		The T. A. Division also possesses resources in statistical analysis and operation research which may be applied to our problems. Follow-up actions are planned with meetings	
25X1		between and the	25X1
	26.	Image Comparison Microstereoscope. Final alignment of all four optical paths has started; however, concurrent check of the anamorphic subassemblies has just revealed the presence of is checking	
		astigmatism in 3 of the 4 paths. Land in 4	25X1
25X1		Project Officer will visit on 13 April, with our companion,	
25X1		and review the problem.	
25X1	27.	given to recommending an Engineering Audit by recommending an Engineering Audit by	25X1
		pursue both the Engineering Audit and a state of the fight Precision Stereo Comparator, as preludes to tion on the High Precision Stereo Scanner. Meetings were	25X1
		this test proposal (expected in early May 1970). Arrangements	25X1
25X1		were made to discuss with their proposal on 7 April 1970 at NPIC. We are working towards starting both efforts by 1 June 1970.	
	28.	optical approaches one approach with prismatic anamorphoses and another utilizing cylindrical elements. It is anticipated and another utilizing cylindrical elements. It is anticipated that a selection can be made in April. Relaxation of magnifithat a selection can be made in April. Relaxation of magnifithat a selection can be made in April. Relaxation of magnifithat a selection can be made in April.	25X1
		cation and anamorphic spees was considered as last resorts. A draft of the revised statement of work was reviewed, but has not yet been received in final form.	•
	29.	Briefings.	
25X1		an RED consultant from the National Bureau of Standards, presented a briefing to interested NPIC personnel on 10 March on Color Perception in the Center Auditorium.	
25X1		briefed ten R&D personnel from on Image Manipulation on 18 March.	25X1
25X1		On 19 March, personnel briefed and Group Chiefs on the Mid-70's PI Workstation.	25X1

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RED Monthly Report on Significant Events (March 1970)

25X1		On 9 March, presented a briefing to on IBM proposal for study of Electronic Image lolays.	25X
25X1		On 24 March, presented a bridge on the Adage proposal for Interactive Display System. Following this, on	
25X1		23-27 March, showed a movie of MED's Adage demonstra-	
25X1	•	tion to several NPIC personnel including On 27 March, showed this same movie of KED's	25X
		Adage demonstration to DIA personnel in	25X
25X1			
25X1 25X1		On March 31, presented a briefing to, TSSG, and PPBS, on the Viewing Systems Study.	25X
23/1		Section 1 to the section of the sect	
	30.	Training.	
25X1		from 2-6 March 1970.	
•		from 2-0 March 1970.	
			25X
		Deputy Chief, Research & Engineering Division, NPIC	
25X1	Attachme	ent:	:

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25X1	Approved For Release 2003/08/05: CIA-RDP78B05171A000800030020-7	
		25X
	30 March 1970	25/
	Copy	
		•
300	MEMORANDUM FOR: Chief, Research & Engineering Division, TSSG/NPIC	
	SUBJECT: Reconnaissance Systems Branch Monthly Report March 1970	
	Significant Events for the Month of March 1970:	!
25X1	1 attended several Color Task Force meetings which were held for the purposes of organizing information and data, identifying problems, initiating plans and actions, and documenting pertinent matters. In accordance with directive set out in NPIC Instruction Number 51-3, he attended several meetings of NPIC and community representatives with the purpose of coordinating color matters.	25X
25X1 25X1	2. prepared preliminary negotiations and tasking requirements for to provide the calibration of cameras for DD/P.	•
25X1	is preparing exploitation system requirements and specs for oncoming SLR systems to include the contingencies of near-real-time transmission and storage in the event that NPIC may be required to receive and process SLR imagery in any of several possible forms (taped signals, doppler phase history, etc.). These matters need to be addressed in the advanced planning phase and in determining what the responsibilities and task of exploitation facilities will be.	
25X1	4 briefed a number of groups on the improvement program, including: IAS, IEG, APSD, RED, and PSG.	25X
	5. During the week of 8 March, attended extensive meetings on the west coast concerning the program. The sessions dealt with target indexing, software interfaces, stellar index requirements, camera alignment and calibration requirements, calibration reporting procedures, software interfaces between the taped telemetry data and the technical analysis group at STC, flight plans for horizon sensors and star trackers, and a number of items concerning the ephemeris.	25X 25X

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25X1	TOD SECRET Approved For Release 2003/08/05 : CIA-RDP78B05171A000800030020-7		
	TCS-6627/70		
.* .*	SUBJECT: Reconnaissance Systems Branch Monthly Report March 1970	· · ·	
25X1 25X1	6. The first can of test material was received and Mr. has prepared a plan for the test and calibration of the formats and other exploitation factors.	ı ·	
25X1	7. Ten rolls of dupe stock was received for NPIC use in developing test material and test imagery for instrumentation and materials evaluations.		
25X1	8. has arranged for a special meeting of the MC&G Working Group to be held the first week in April to discuss the stellar/terrain ephemeris requirements. The completed ephemeris content and format will be presented to the subcommittee for approval.		25X′
			25X1

Chief, Reconnaissance Systems Branch, RED/TSSG/NPIC